

ABSTRACT OF THE DISCLOSURE

A low melting point metal material is made to a thixotropic state in which liquid phases and solid phases 5 coexists. In the thixotropic state of the low melting point metal material, a carbon nano material is kneaded with the low melting point metal material and forms a composite material. Thus obtained composite material is supplied to a metal molding machine and injected into a mold in a thixotropic 10 state or a completely molten state of the metal so that the composite material fills the mold, thereby the composite material is molded to a composite metal product. With the above process, it is possible to injection mold the composite metal product to which the characteristics of the carbon nano 15 material are applied.